

# Tuesday, October 3, 2023

## MAUKA



2:00 - 2:45 (Group 2) County Initiatives and Outreach Updates



**Nate Prescott**  
*Business Specialist*  
*Office of Economic*  
*Development*  
*County of Kauai*



**Shola Kahiapo-Trevino**  
*Digital Equity Specialist*  
*County of Hawaii*

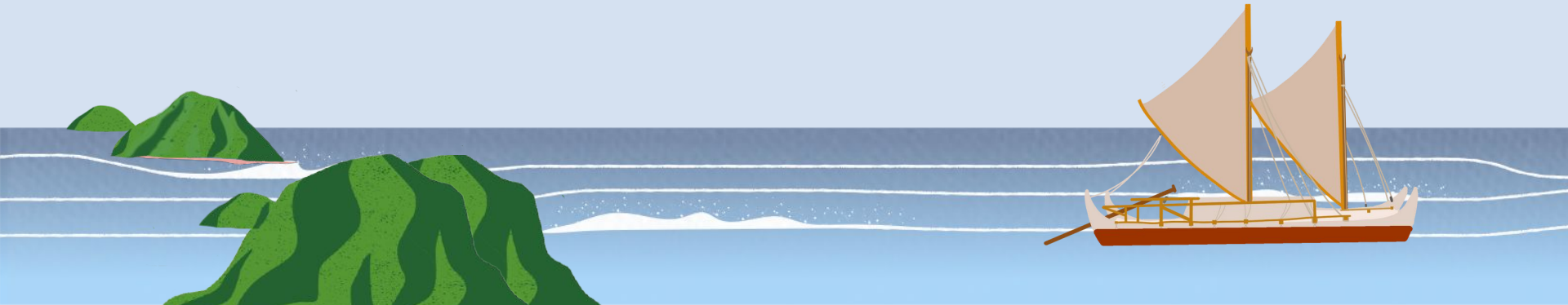
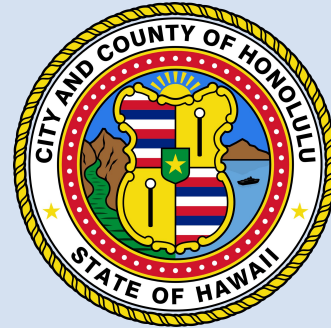
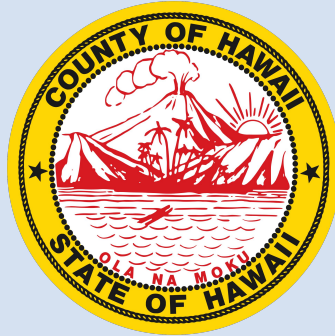
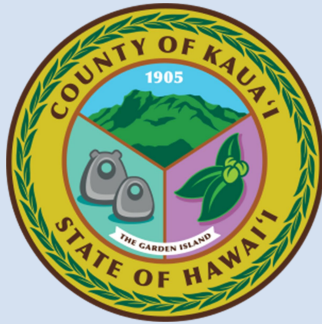


**Constancio Paranal III**  
*Innovation and Technology,*  
*Program Manager*  
*Office of Economic Revitalization*  
*City and County of Honolulu*

2:55 - 3:40 (Group 1) County Initiatives and Outreach Updates

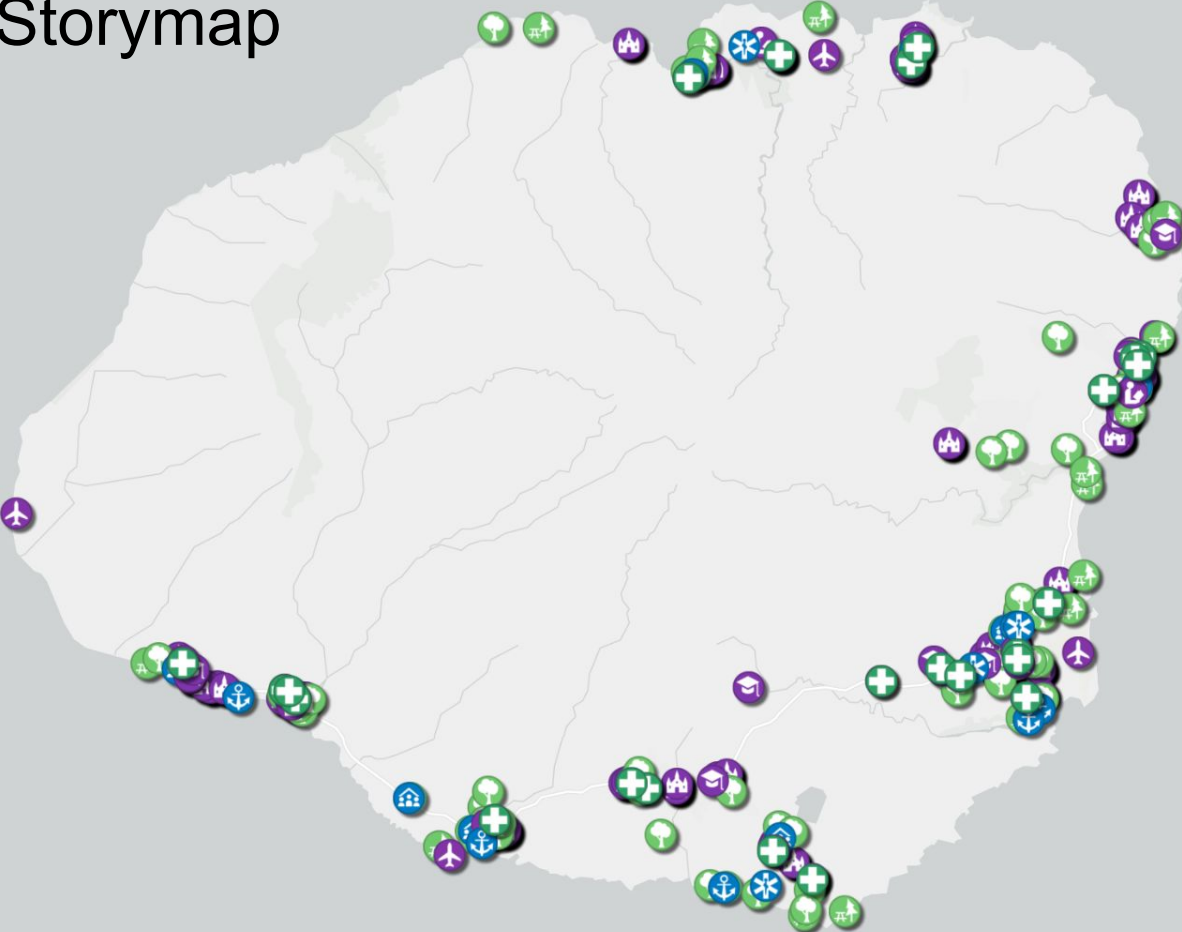
4:00 - 5:00 Informal networking session with light snacks (back in MAKAI)

# County Initiatives



# Kaua'i Broadband Efforts

# Kaua'i Broadband Storymap











×

## Kauai Shelters



## County/Civic Facilities

-  HOSPITALS + URGENT CARE
-  NEIGHBORHOOD CENTER
-  BOAT HARBOR
-  SCHOOL
-  LIBRARY
-  AIRPORT
-  COUNTY PARK
-  COUNTY BEACH PARK

## Churches



# Outreach Meetings

- Introduction to broadband
- Introduction to digital equity
- Introduction to speed tests





Affordable  
Connectivity  
Program

# County-Wide Support


- Mayor's Proclamation
- County Council's Resolution
- Office of Economic Development Support
- Kauai Economic Development Board Support
- Various digital equity projects

**And last but not least...**



# **The 2023 Broadband Ho'ike**

(this)



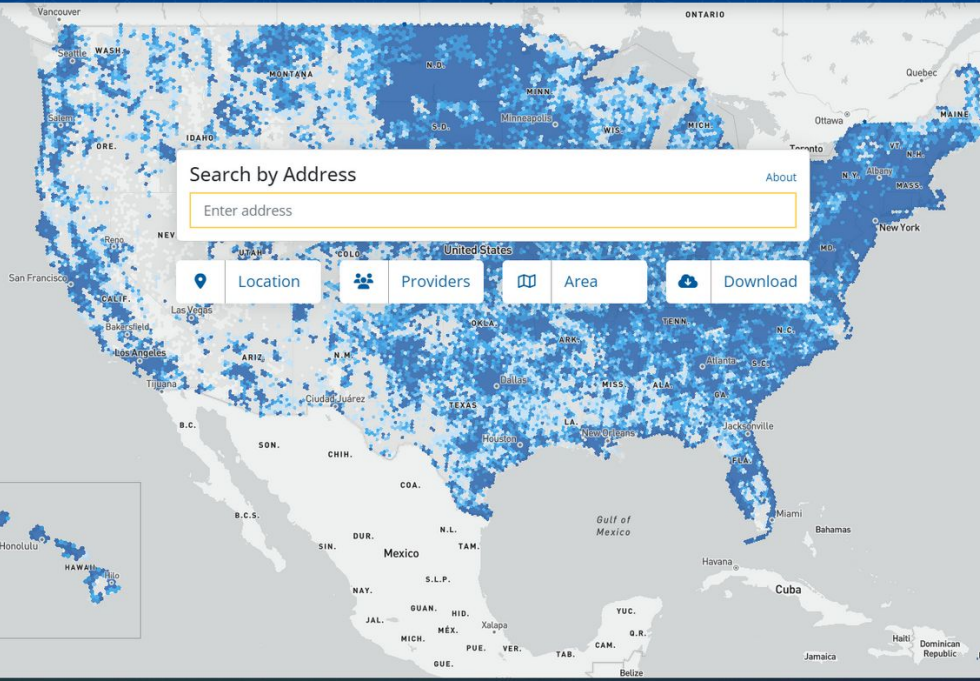
**2022-2023 COUNTY  
ACTIONS**

# CHALLENGING THE FEDERAL MAP



Federal  
Communications  
Commission

FCC National Broadband Map



Search by Address

About

Enter address



Location



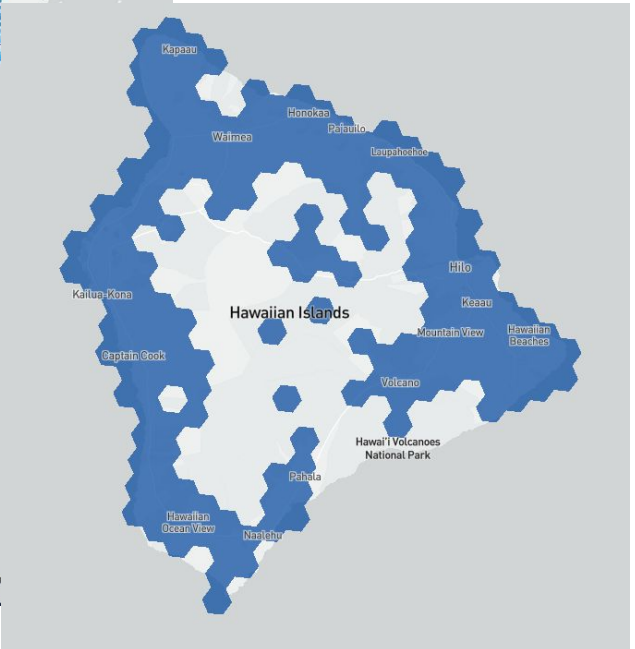
Providers



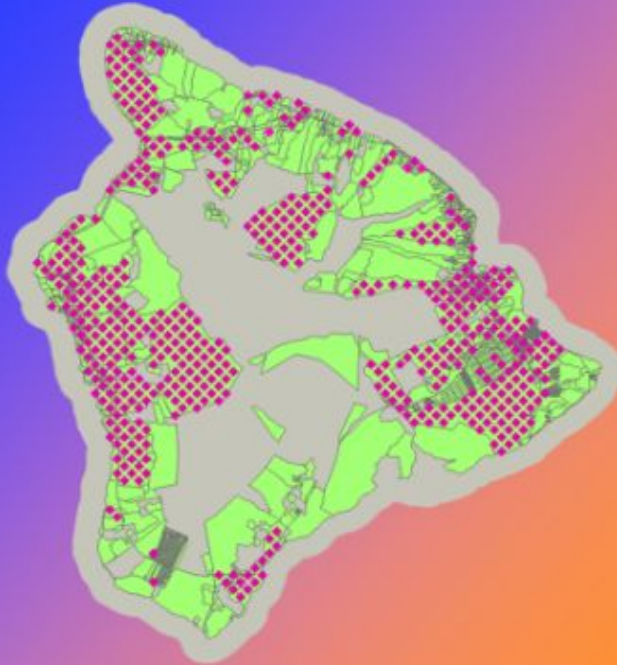
Area



Download



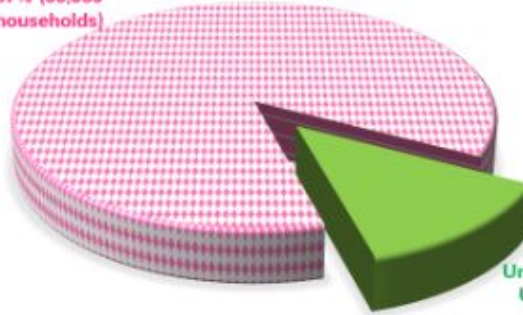
# CHALLENGING THE FEDERAL MAP



Slide by Issa Moffet: CoH FCC\_Challenge

## Served vs Unserved/ Underserved Areas on Island

Served  
87% (86,985  
households)



Underserved/  
Unserved  
13%  
(13,198  
households)

Speculate: \$3k to \$5k per address  
~\$39.5m to ~\$66m BEAD

COH'S BROADBAND MAP CHALLENGE

**COUNTY OF HAWAI'I**  
**BROADBAND**  
**INITIATIVE**  
**COUNTY KINE TINGZ**



Prepared for October 3rd BB Hō'ike

# START OF THE INITIATIVE

(2021) The County of Hawai'i earmarked about \$6,000,000.00 for internal Broadband buildout.



Completing County Fiber Ring.



Expanding Broadband access to prioritized fire stations, police stations, and P&R evacuation sites.



Providing public internet access



# PROACTIVE EFFORTS

County of Hawai'i Network Project

2021

Broadband Equity Access and Deployment  
Funds

2024-2025

Digital Equity Funds

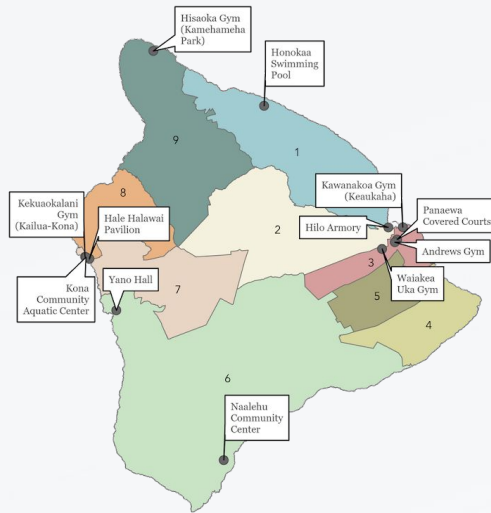
2024-2025



# NETWORK CONNECTIVITY PROJECT

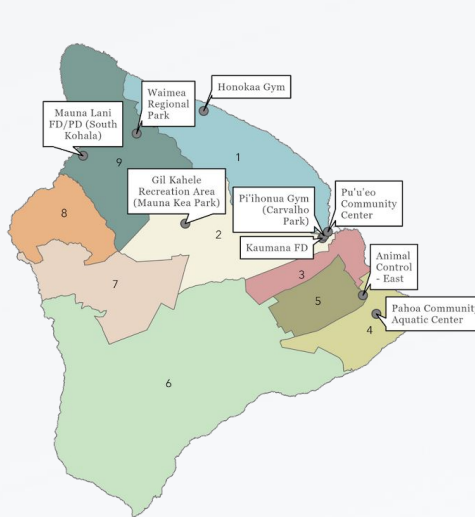
## Phase 1

Completed sites: ready to connect.



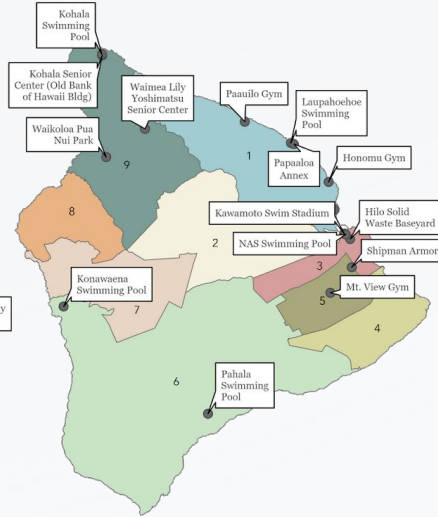
## Phase 2

In progress: connection soon to be established.

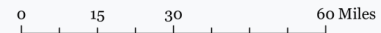


## Phase 3


Under consideration: sites being evaluated for eligibility.



As of September 5th, 2023





The background of the image is a dark blue globe of the Earth, partially obscured by a complex network of glowing blue lines. These lines, which represent data or communication paths, curve and intersect across the globe, creating a sense of global connectivity and digital infrastructure. The lines are bright blue and have a slight glow, standing out against the darker tones of the planet.

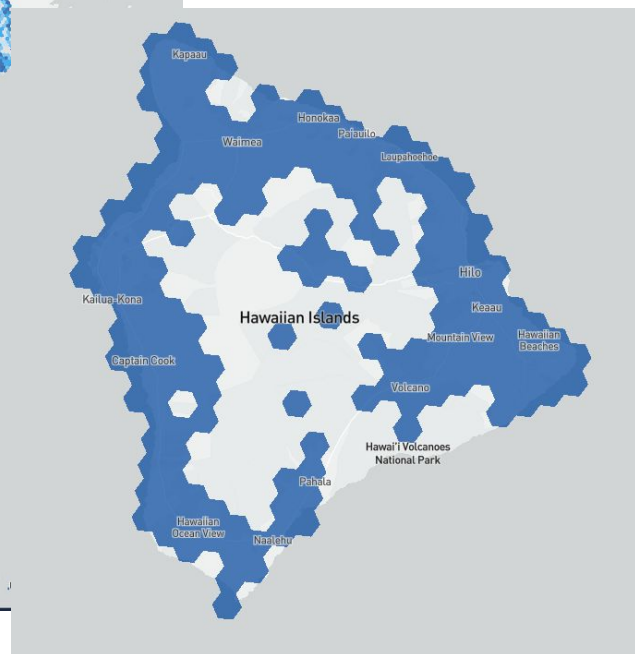
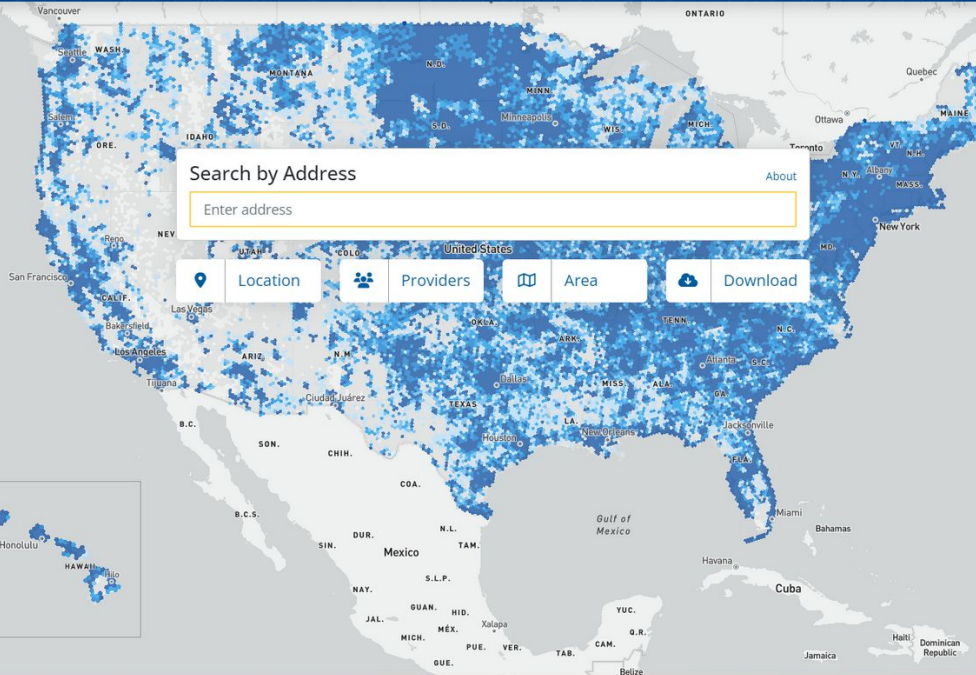
# **2022-2023 COUNTY ACTIONS**

# CHALLENGING THE FEDERAL MAP

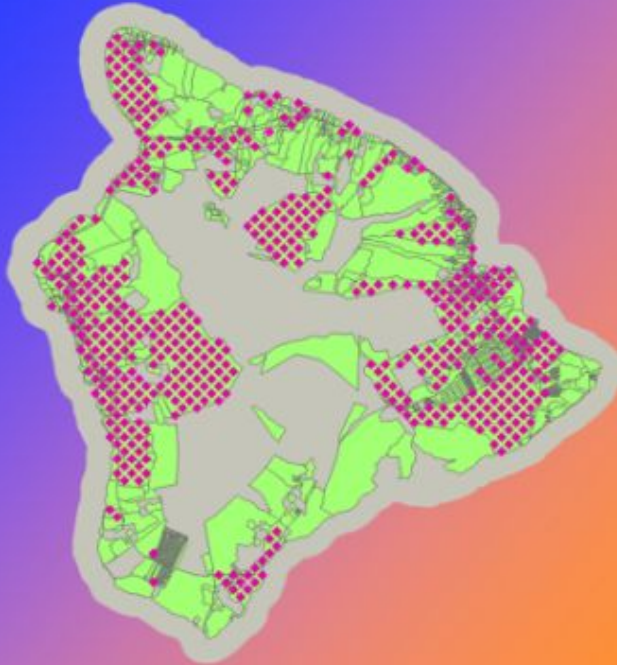


Federal  
Communications  
Commission

FCC National Broadband Map



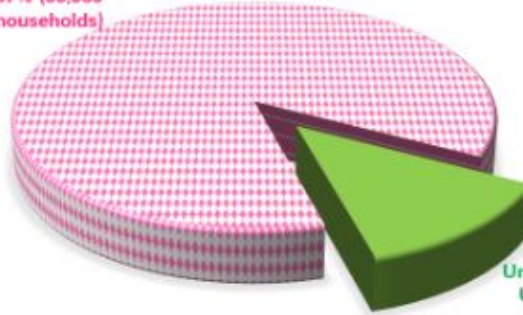
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COH'S BROADBAND MAP CHALLENGE

# Exploring the Landscape of Broadband Equity & Inclusion

with the Department of Research and Development at the County of Hawai'i

Last Updated: March 15, 2023  
February 7, 2023

Exploring the Landscape of Broadband Equity & Inclusion

2. Share a centralized list all the County projects

\*Links to Download all data are at the bottom of this StoryMap.

## PART 1: ELIGIBLE PROJECTS FOR BEAD PROGRAM

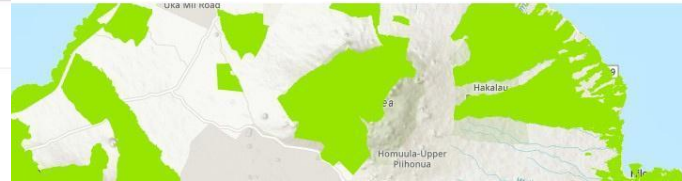
Landscape of Broadband Equity & Inclusion

## PART 2: COUNTY PROJECTS

### Hawai'i Island Digital Equity Coalition (HIDEC)

HIDEC was formed by over two dozen community organizations (refer to Figure. 1) in September 2022. Members attend regular occurring meetings focused on digital equity and inclusion.

To learn more about HIDEC, please visit our website or contact the [Digital Equity Specialist](#) and/or visit our website [here](#).



COALITION MEMBERS BY PROGRAM AREA:	HAWAII ISLAND DIGITAL EQUITY COALITION (HIDEC)
<b>DATA &amp; MAPPING</b> @ COUNTY OF HAWAII RESEARCH AND DEVELOPMENT ▲ FEDERAL EMERGENCY MANAGEMENT AGENCY ▲ SURVEY EMERGENCY MANAGEMENT AGENCY ▲ HAWAIIAN DEVELOPMENT CENTER	
<b>EDUCATION, LITERACY &amp; WORKFORCE DEVELOPMENT</b> @ MAUIA STATE UNIVERSITY @ HONOLULU CITY COLLEGE @ HAWAII STATE LIBRARY @ HAWAIIAN KNOWLEDGE FORUMS COLLABORATIVE @ RESPONDING SERVICES FOR THE BLIND @ ICA & KANALEA @ LEAD FOR HAWAII W/ COUNTY OF HAWAII @ SMALL BUSINESS @ NORTH HONOLULU COMMUNITY RESOURCE @ PARTNERS FOR DEVELOPMENT @ LEADERS OF HAWAII @ STATE OF HAWAII @ HAWAIIAN SENIORS	
<b>HEALTHCARE</b> @ HAWAIIAN COMMUNITY HEALTH WORKER ASSOCIATION @ HAWAIIAN ISLAND DEPARTMENT OF HEALTH @ HAWAIIAN MEDICAL SERVICE ASSOCIATION	
<b>INFRASTRUCTURE &amp; POLICY</b> @ HAWAIIAN TELECOM ASSOCIATION	
<b>ABOUT HIDEC</b> Facilitated by the County of Hawaii, HIDEC is a coalition of community organizations focused on digital equity and inclusion.	<b>IMPORTANCE</b> Hawaii's Island is estimated to have more than 133 households without internet access.

# STORY MAP



### HIDEC: HAWAII ISLAND DIGITAL EQUITY COALITION

Facilitated by the County of Hawai'i, HIDEc is a BAT (Broadband Action Team) comprised of passionate community partners committed to closing the digital divide on Hawai'i island.

HIDEc's mission is to advocate for and promote equitable access to affordable high-speed internet for all residents, businesses, and institutions on Hawai'i Island.



### DIGITAL EQUITY INITIATIVES

"Digital Equity (DE) is necessary for civic and cultural participation, employment, lifelong learning, and access to essential services".

Hawai'i County will support and implement Digital Equity Initiatives designed to bridge the digital divide.



### COUNTY NETWORK PROJECT

To establish county and public internet access at facilities prioritized for health and safety.

The intention of this project is to connect County employees and increase community internet access across Hawai'i Island.



### GRANT OPPORTUNITIES

Affordable Connectivity Program Outreach Grant

Provide community organizations support to apply households to the Affordable Connectivity Program.



### COUNTY BROADBAND ACTION PLAN

Create the Hawai'i County Broadband Action Plan, a comprehensive document with the goal of comprehensively assessing digital equity in Hawai'i County. This plan will collect community demographics, detail County initiatives, and identify community needs to strengthen organizations' eligibility for upcoming Digital Equity Grant opportunities.

# COUNTY BROADBAND INITIATIVE OVERVIEW

# COMMUNITY PARTNERSHIPS

To promote digital equity for all and educate the community of broadband efforts.

## Broadband Hui

State-wide Broadband Action Team

- Weekly convenings
- Sharing of information
- Over 60 weekly attendees

## HIDEC

Island-wide Broadband Action Team

- Local Community members & organizations
- Sharing information
- Networking

## Outreach & Community Education

- (2) Community Meetings
  - Share information from Federal, State, and County Agencies
- Share about County Initiative
  - Gather input from community



# GRANT OPPORTUNITIES

Affordable Connectivity  
Program Outreach Grant

\$175

K

\$100K

UH & County Partnership

\*\*USDA Broadband Technical  
Assistance Grant

\$87K

\*\*pending award

# BROADBAND ACTION PLAN

## KAKO'O



Support the local non-profits for upcoming federal funding.

## PA'A KE KANAKA



Provide resources to employment opportunities to keep locals in Hawai'i.

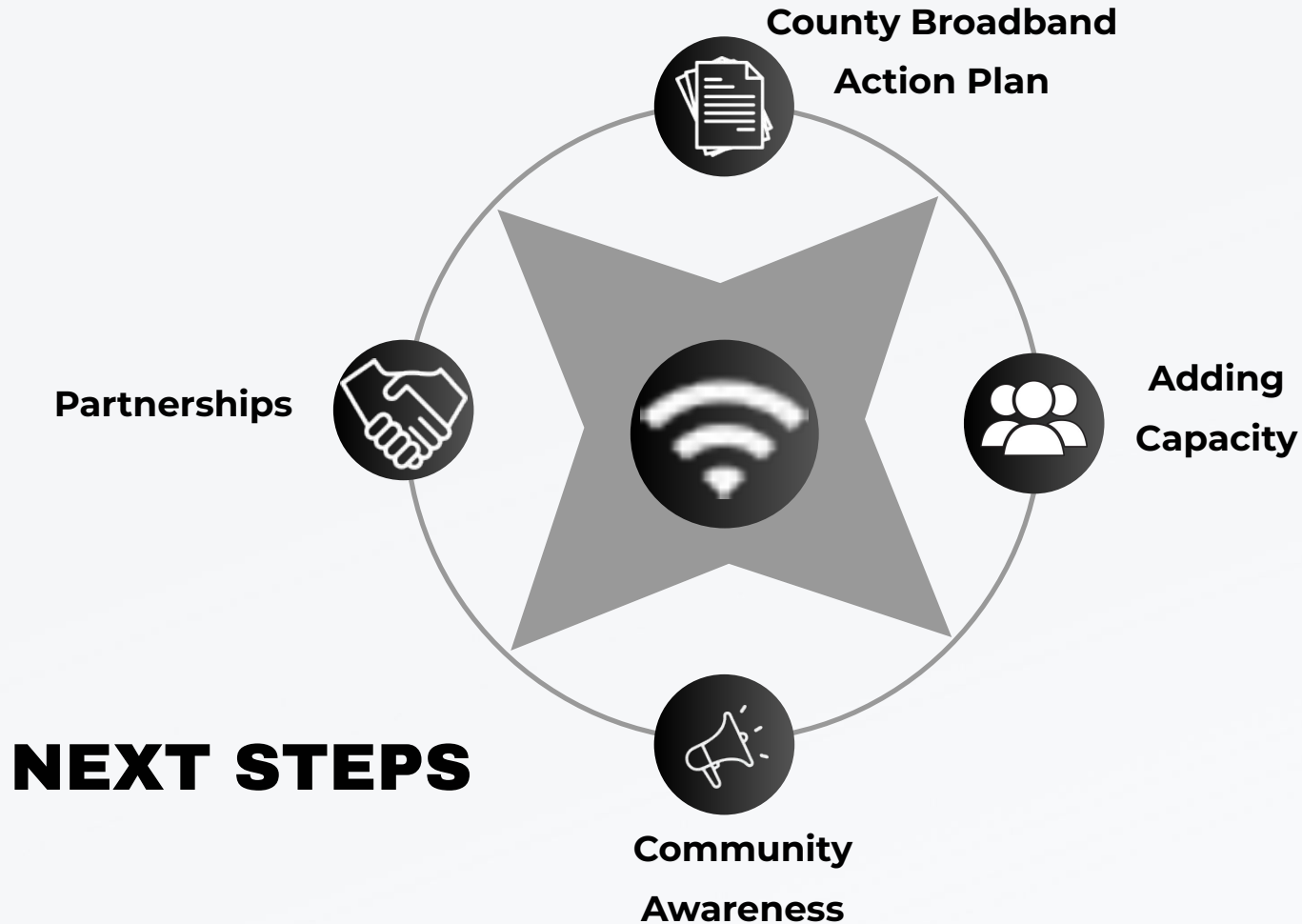
## HOLOMUA



Support the advancement of our community through digital resources.







CITY & COUNTY OF HONOLULU



**OER**

Office of Economic  
Revitalization



**OFFICE OF  
ECONOMIC  
REVITALIZATION**

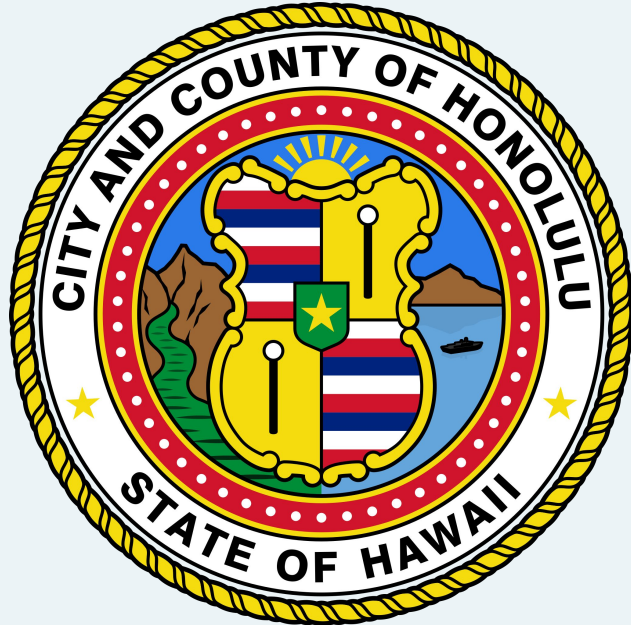
# Broadband Initiative



Goal for the City and County of Honolulu:

***“To ensure the people of O‘ahu have access to affordable, dependable broadband to work, learn, and play.”***

# City and County's Role



- Support the University of Hawai'i and the Broadband Equity Office in the design, development, and delivery of the Five-Year BEAD Plan.
- Community Engagement
  - serve as a channel and point-of-contact for the State
    - OahuDEC: [Oahu Digital Equity Coalition](#)



# Strategy



State  
(UH/DBEDT)  
and Counties



O'ahu Digital  
Equity Coalition  
(ODEC)



Broadband  
Story Map

# OAHU Broadband Timeline



**FEBRUARY 8** - OER took the lead in managing the Broadband project at the City and County of Honolulu



**MARCH 13** - County meetings took place to align our work



**MARCH 30** - First public Broadband Working Group Meeting



**MAY 17** - First UH Broadband team meeting with City and County Officials



**JUNE 3** - OER presented the strategy and plan to the Broadband Hui



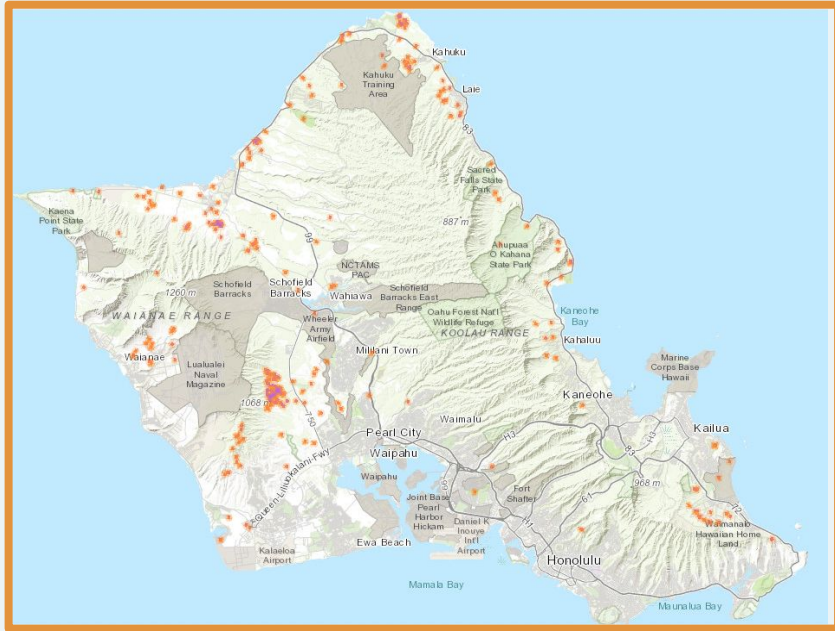
**JUNE 17** - Oahu Digital Equity Coalition (ODEC) had its kick-off meeting



**JULY 25**- OER and UH presented to the Honolulu City Council; First Broadband Community Engagement



# Broadband Story Map



*O'ahu UH map displaying underserved and unserved locations.*

- Broadband Story Map

- Story Map: a tool for information and engagement
- Identify areas not already shown as **underserved/unserved**

# Broadband Survey – 09.29.2023

- **Online & Six In-person Events**
  - Online: Small Business Newsletter / Instagram / LinkedIn
  - Work Hawaii (Jul. 25, Sep. 12th)
  - City Hiring Event (Aug. 23rd)
  - RURP Events (Jul. 27th, Sep. 13th, 20th)
- **Gathered a total of 242 responses**
  - Online: 41 responses (as of 9/27)
  - In-Person events – 201 responses
  - 80% of our goal





# Pockets not connected

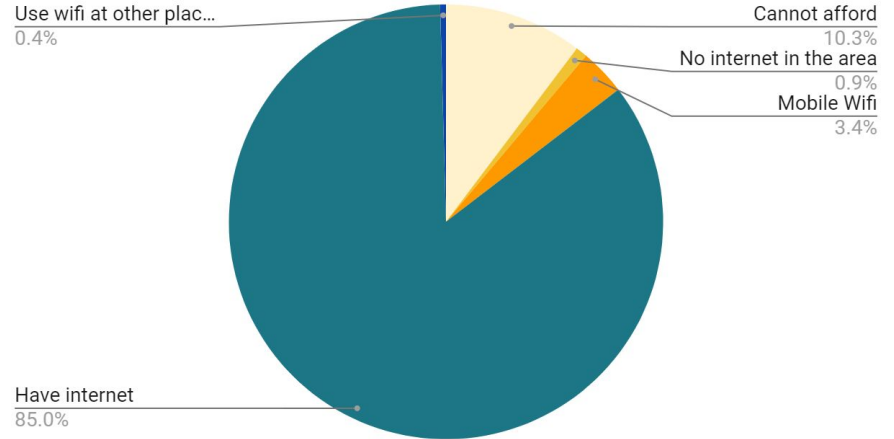
40 zip codes (**Waipahū**, **'Aiea**, Kān'eohe, **Kahuku**, **Wai'anae**, **Hau'ula**, Ewa, **Wahiawā**, **Honolulu**, Mililani, Kapolei, **Kalihi**, Laie, Kailua, Waimanalo, **Pearl City**, **Waialua**)

*\* places might not be connected*

Do you have internet connection **at home** (other than a mobile device)?

**39 (No) - 16.1%**

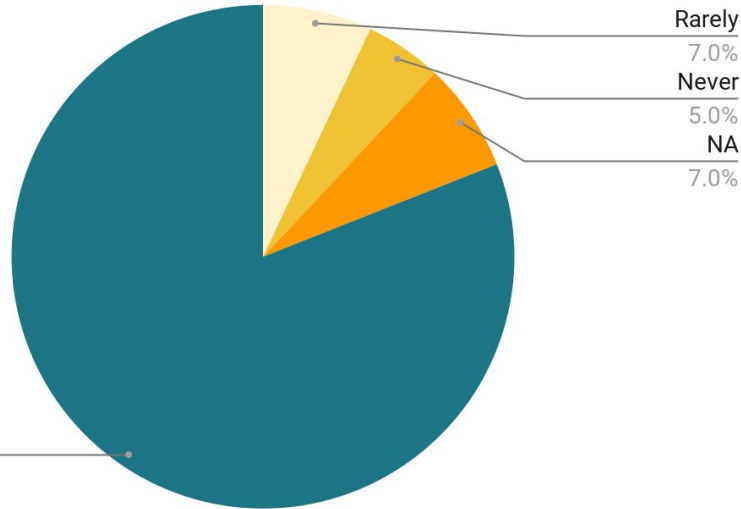
Reasons for No Internet Connection



# Stable or reliable access is an equity issue

19% could be **underserved**

Can connect at the same time



Where do you access internet, **if not at home?**

21%

Library

21%

Restaurant / Cafe

14%

Work

6%

Parents' / Friend's House

3%

School / University

# Community Profile



38% ~  $\leq 2$

33% ~ 3 - 4

15% ~ 5 - 6

12% ~  $\geq 7$



25% Native Hawaiian

31% Asian

18% Pacific Islander

10% Caucasian

**Digital Equity Issue**

**26%** Cannot afford

**22%** Missed Opportunity

# Internet Usage

## Usage of Internet

40% Education

19% Telehealth

62% Work

81% Personal

10% Other

## Difference in Usage

Usage	Native Hawaiian & Pacific Islanders	Expected values based on Other groups
Education	51	35
Telehealth	15	23
Work	57	71
Personal	75	93
Other	13	6

# What is next?

- **Building Capacity – Internally and Externally**
- **Community Engagements**
  - BEAD
  - DIGITAL EQUITY
- **Community Engagements**
- **Supplemental Projects**
  - Workforce Development – Oahu Good Jobs
  - Pacific Islanders – Digital Navigators
  - Innovation and Technology – Digital Equity Bootcamp
  - Small Business and Finance – Capital Loan Program





# Key Takeaways

- **INNOVATION** in local government is rooted in **TRUST** and **COMMUNITY**.
- **COMMUNITY ENGAGEMENT** is not about numbers, statistics, and validation but it is how you find **MEANING** and **PURPOSE** in what you do.



**mahalo.**

